STATE OF CALIFORNIA Budget Change Proposal - Cover Sheet DF-46 (REV 08/17)

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Fiscal Year 2019-20	Business Unit 3940	Department State Water Resour	rces Control Board		Priority No.
Budget Request Name 3940-024-BCP-2019-GB Program 3560 - WATER QU			ALITY	Subprogram	
Budget Reques Sewer Service	•	dvantaged Communities	s (SB 1215)		WFF 2014-17
Boards) to order wastewater treatank systems, for The State Water \$525,000 Waster \$525,000 Was	oter 982, Statutes of er a city, county or eatment system) to posi- for protection of pul- er Resources Contract ee Discharge Permi	of 2018) authorized the special districts with an provide sewer services olic health, and prevent rol Board (State Water to trund spending author 200 Waste Discharge P	existing receiving to disadvantaged ion of potential imp Board) requests the rity annually in fisc	system (collectio communities with pacts to sources of tree initial perman al year (FY) 2019	n system and/or inadequate septic of drinking water. ent positions and 1-20, six additional
Requires Legislation Code Section(s) to be Added/Amended/Repealed Not Applicable				ended/Repealed	
Does this BCP contain information technology (IT) components? Yes No If yes, departmental Chief Information Officer must sign.			Department CIO Not Applicable		Date Not Applicable
S2AA, S3SD, S	S4PRA), and the ap	·		al document (FSI	R, SPR, S1BA,
Project No.	Pro	eject Approval Documer	nt:	Α	oproval Date:
		ment, does other depar artment, signed and dat			Yes
Prepared By		Date	Reviewed By		Date
Department Dir	ector	Date	Agency Secretar	у	Date
		Department of Fi	nance Use Only		
Additional Revi	ew:	ay □ITCU □FSCU	J OSAE C	CALSTARS D	ept. of Technology
PPBA Original Signed By Sergio Aguilar			Date submitted to the Legislature JAN 1 0 2019		

BCP Fiscal Detail Sheet

BR Name: 3940-024-BCP-2019-GB

BCP Title: SB 1215 Implementation: Sewer Service Provision for Disadvantaged Communities

Budget Request Summary			FY1	9		
90004	CY	вү	BY+1	BY+2	BY+3	BY+4
Personal Services						
Positions - Permanent	0.0	3.0	9.0	9.0	9.0	9.0
Total Positions	0.0	3.0	9.0	9.0	9.0	9.0
Salaries and Wages						
Earnings - Permanent	0	283	811	811	811	811
Total Salaries and Wages	\$0	\$283	\$811	\$811	\$811	\$811
Total Staff Benefits	0	136	391	391	391	391
Total Personal Services	\$0	\$419	\$1,202	\$1,202	\$1,202	\$1,202
Operating Expenses and Equipment						
5301 - General Expense	0	4	14	14	14	14
5302 - Printing	0	6	24	24	24	24
5304 - Communications	Ö	16	60	60	60	60
5306 - Postage	0	3	12	12	12	12
5320 - Travel: In-State	0	31	120	120	120	120
5322 - Training	0	21	84	84	84	84
5324 - Facilities Operation	0	25	96	96	96	96_
Total Operating Expenses and Equipment	\$0	\$106	\$410	\$410	\$410	\$410
Total Budget Request	\$0	\$525	\$1,612	\$1,612	\$1,612	\$1,612
Fund Summary						
Fund Source - State Operations						
0193 - Waste Discharge Permit Fund	0	525	1,612	1,612	1,612	1,612
Total State Operations Expenditures	\$0	\$525	\$1,612	\$1,612	\$1,612	\$1,612
Total All Funds	\$0	\$525	\$1,612	\$1,612	\$1,612	\$1,612
Program Summary						
Program Funding						
3560 - Water Quality	0	525	1,612	1,612	1,612	1,612
Total All Programs		\$525	\$1,612	\$1,612	\$1,612	\$1,612
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BCP Title: SB 1215 Implementation: Sewer Service Provision for Disadvantaged Communities

Personal Services Details

	Sa	lary Informatio	n						
Positions	Min	Mid	Max	<u>CY</u>	<u>BY</u>	<u>BY+1</u>	<u>BY+2</u>	<u>BY+3</u>	<u>BY+4</u>
0762 - Environmental Scientist (Eff. 07-01-2019)				0.0	1.0	2.0	2.0	2.0	2.0
3846 - Cntrl Engr (Eff. 07-01-2019)				0.0	1.0	6.0	6.0	6.0	6.0
5795 - Atty III (Eff. 07-01-2019)				0.0	1.0	1.0	1.0	1.0	1.0
Total Positions			•	0.0	3.0	9.0	9.0	9.0	9.0
Salaries and Wages	CY	ВҮ	BY+1	ВҮ	'+2	В	/ +3	В	/ +4
0762 - Environmental Scientist (Eff. 07-01-2019)	0	64	128		128		128		128
3846 - Cntrl Engr (Eff. 07-01-2019)	0	93	557		557		557		557
5795 - Atty III (Eff. 07-01-2019)	0	126	126		126		126		126
Total Salaries and Wages	\$0	\$283	\$811		\$811		\$811		\$811
Staff Benefits					•				
5150350 - Health Insurance	0	69	199		199		199		199
5150600 - Retirement - General	0	67	192		192		192		192
Total Staff Benefits	\$0	\$136	\$391		\$391		\$391		\$391
Total Personal Services	\$0	\$419	\$1,202		\$1,202		\$1,202		\$1,202

BR Name: 3940-024-BCP-2019-GB

A. Budget Request Summary

SB 1215 added Chapter 4.3, commencing with Section 13288 to Division 7 of the Water code and authorized Regional Water Quality Control Boards to order a city, county or special districts with an existing receiving system (collection system and wastewater treatment system) to provide sewer services to adjacent disadvantaged communities with inadequate septic tank systems. The basis of the required consolidation is for the protection of public health, and prevention of continued and potential impacts to sources of drinking water.

To implement SB 1215 requirements, the State Water Board requests a total of nine permanent positions – one staff attorney, six water resource control engineers, and two environmental scientists. The staff attorney will be located within the State Water Board Office of Chief Counsel; the eight technical positions will be located at the offices of five Regional Water Boards. The nine requested permanent positions and spending authority will be funded from the Waste Discharge Permit Fund. The proposed staff will conduct the following tasks:

Three permanent positions and \$525,000 in spending authority in FY 2019-20 to:

- (1) Develop and adopt a statewide policy handbook that includes statewide procedures, criteria and feasibility factors for:
 - a. Identification of disadvantaged communities with inadequate septic systems that can feasibly be consolidated with an adjacent receiving system,
 - b. Development, adoption and implementation of Regional Water Board orders to a city, county or a special district (receiving systems) for provision of sewer service through a local program,
 - c. State oversight of local programs to development and implement consolidation projects, and
 - d. Technical assistance to receiving system agencies and affected residents.
- (2) Provide legal support for the development, adoption and implementation of the statewide policy,
- (3) Provide training and technical support for Regional Water Board staff to implement the statewide policy,
- (4) Provide information technology support, mapping and data gathering needs, and
- (5) Coordinate with the State Water Board Division of Financial Assistance to ensure consistent funding assistance policies.

Six additional permanent positions and \$1,612,000 in spending authority annually starting in FY 2020-21 to:

- (1) Establish investigatory tools and conduct inspections.
- (2) Develop and issue enforcement orders with compliance schedules,
- (3) Provide legal support for the implementation of statewide policy, and for the development and implementation of Regional Water Board orders,
- (4) Conduct education and outreach to receiving system agencies, affected residents, environmental justice representatives, environmental groups, tribal representatives, and other stakeholders, and
- (5) Work with affected communities to implement and regulate proposed extension of sewer service or an alternative plan to reach compliance.

B. Background/History

The Porter-Cologne Water Quality Control Act (Porter-Cologne) requires: (1) the State Water Board to develop appropriate statewide policy to ensure the reasonable protection of beneficial uses of waters of the state, and (2) each Regional Water Board to adopt water quality control plans and issue waste discharge requirements to protect waters of the state within their corresponding region.

The State Water Board recognizes that improperly operated and maintained septic tanks are a key source of bacterial, and nitrate contamination of surface- and groundwater drinking water sources. In 2012, the State Water Board adopted the Onsite Wastewater Treatment System Policy (Policy) to address this significant threat to existing surface and groundwater sources. This Policy addresses the threat of untreated sewage from septic tanks as a point source of nitrogen, harmful bacteria, and pathogens that

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impair drinking water-related beneficial uses and threaten public health. However, surface water bodies continue to be listed under the Clean Water Act as impaired due to contaminants traced to leaking septic tanks in the surrounding area. Additionally, leaking septic tanks continue to be identified as the source of groundwater degradation and contamination, impacting the provision of safe and reliable drinking water to Californians.

In many cases, septic tanks serve rural disadvantaged areas with property owners that have no realistic alternative to manage their sewage. SB 1215 addresses the need to encourage, and as necessary, mandate local agencies with existing sewer systems to provide sewer services to adjacent disadvantaged communities with inadequate septic tanks. Through SB 1215, Regional Water Boards are authorized to order agencies with existing systems to provide sewer service to adjacent disadvantaged communities through annexation or extension of their service areas.

The new legislation requires the State and Regional Water Boards to take certain actions before ordering a local agency (a receiving system) to extend its sewer services, similar to required actions for the consolidation or extension of drinking water systems (through SB 88 [Chapter 27, Statutes of 2015], which authorized the State Water Board to order consolidation with another public water system where a public water system, or a state small water system within a disadvantaged community, consistently fails to provide an adequate supply of safe drinking water).

The new legislation also requires:

- The State Water Board to develop and adopt policy, through the adoption of a policy handbook, that
 provides a process by which affected parties of disadvantaged communities may petition the
 corresponding Regional Water Board for consideration of provision of sewer service; and
- Regional Water Boards to evaluate other options, encourage voluntary consolidation and provide opportunities for public comment.

C. State Level Considerations

The State and Regional Water Boards are responsible for maintaining, preserving, and enhancing water quality for the protection of the environment, public health, and beneficial uses of waters of the state. In the Porter-Cologne Water Quality Act, the legislature declared that the "state must be prepared to exercise its full power and jurisdiction to protect the quality of the waters in the state from degradation" (Wat. Code, §13000). Porter-Cologne grants the State and Regional Water Boards the authority to implement and enforce the water quality laws, regulations, policies, and plans to protect groundwater and surface waters of the state.

The request for staff resources and funding authorization in this Budget Change Proposal are necessary to implement the newly added Chapter 4.3 (commencing with section 13288) to Division 7 of the Water Code, through SB 1215.

This Budget Change Proposal supports:

- 1. The California Water Action Plan, drought-related actions, and the priority of providing safe drinking water to all communities by protecting water resources from the potential risk of contamination introduced from inadequate and failing septic tanks;
- 2. Water Code section 106.3 that recognizes that every human being has the right to safe, clean, affordable and accessible water adequate for human consumption, cooking and sanitary purposes, through the protection of surface and ground water bodies that serve as drinking water sources;
- 3. The Water Board's mission, which is to preserve, enhance and restore the quality of California's water resources.

Specifically, the request for additional resources supports the Water Board's Strategic Plan Goals 2, 4, and 6 as follows:

- Goal 2: Improve and protect groundwater quality in high-use basins by 2030;
- Goal 4: Comprehensively address water quality protection and restoration, and the relationship between water supply, water quality, and safe drinking water;

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Goal 6: Ensure Water Board processes are thorough, effective, efficient, consistent, and predictable; and promoting fair and equitable application of laws, regulations, policies, and procedures.

This Budget Change Proposal will not have any impact on other state departments.

D. Justification

California surface waters and groundwater aquifers are the state's sources of drinking water. Inadequate and failing septic systems are releasing untreated sewage into our limited sources of drinking water. Through the passage and chaptering of SB 1215, the State Legislature and the Administration acknowledge that protection of California drinking water sources from contaminating pollutants of unmanaged sewage must be immediately addressed. Through SB 1215, the State and Regional Water Boards are expected to order cities, counties, and special districts to provide sewer service to an adjacent disadvantaged community with inadequate septic systems that are polluting, or have the reasonable potential to pollute, our waters of the state, and assist affected residents in the provision and funding of reliable sewer services.

Approval of this Budget Change Proposal will provide staff resources for the State and Regional Water Boards that are necessary to begin implementation of SB 1215 requirements. The State Water Board currently estimates that approximately 30 disadvantaged communities are in proximity of existing sewer services and should be evaluated for connection feasibility. This feasibility evaluation is very complex due to many factors, including:

- Crucial factors involved in merging utilities governed by differing local governances that may have conflicting social and economic priorities;
- The engineering feasibility to:
 - Build a sewerage collection system for the affected properties that effectively pumps sewage to an existing system, and
 - Expand existing capacity of an existing receiving collection system and treatment facility;
- Ability of local government to obtain any required voter approval pursuant to Proposition 218;
- Availability of future state bond funding for the State Water Board to provide grant funding for consolidation project planning and construction; and
- Unforeseen political, economical and social factors that arise during the various state-level and local-level public processes to order, establish and implement local programs.

The initial three positions will be distributed among the Office of Chief Counsel (for legal support to Regional Water Boards) and the Central Valley Water Board, starting in FY 2019-20. These new staff will begin to implement SB 1215 requirements by completing the following:

- Develop and adopt a statewide policy handbook that includes statewide procedures and feasibility criteria for:
 - o Identification of disadvantaged communities with inadequate septic systems that can be feasibly consolidated with an adjacent receiving system;
 - Development, adoption and implementation of Regional Water Board orders to a city, county or a special district (receiving systems) for provision of sewer service through a local program;
 - o Development of technical assistance to receiving system agencies and affected residents, and
 - o Conducting education and outreach to affected property owners
- Provide legal support for statewide policy development, adoption, and implementation;
- Provide training and technical support to other Regional Water Board staff;
- Provide support for mapping and data gathering needs;

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- Consult with, and consider input from, local agency formation commissions regarding utility consolidations; and
- Coordinate with the State Water Board Division of Financial Assistance to assure consistent funding assistance policies (grants, loans, other).

To continue implementing SB 1215 requirements, and to initiate implementation of the State Water Board policy handbook, starting in FY 2020-21, the State Water Board requests six additional permanent positions to be distributed among the following Regional Water Board offices:

- North Coast Regional Water Board
- Central Coast Regional Water Board
- Lahanton Regional Water Board, and
- Los Angeles Regional Water Board

The six additional permanent positions will:

- Establish investigatory tools and conduct inspections,
- Consult with affected residents and the potential receiving sewer system and encourage voluntary consolidation,
- Notify the potential receiving sewer system and affected residents within the disadvantaged community and facilitate communications to initiate development of feasible options to consolidate sewer services,
- Conduct public outreach workshops in affected areas,
- Develop, issue and implement Regional Water Board orders with compliance schedules,
- Provide legal support for the implementation of statewide policy, and the development and implementation of the Regional Water Board orders.
- Conduct education and outreach to receiving system agencies, affected residents, environmental
 and tribal representative groups, and other stakeholders,
- Work with affected communities to complete the proposed extension of sewer service or an alternative plan to reach compliance,
- Develop, issue and implement revised waste discharge requirements orders and National Pollutant Discharge Elimination System (NPDES) permits for the receiving systems.

E. Outcomes and Accountability

Acquiring the requested nine positions will allow the State and Regional Water Boards to implement the requirements of SB1215 and order the necessary consolidations for disadvantaged communities. Each consolidation or extension of service achieved ensures reliable sewer service for purposes of public health and water quality for disadvantaged communities with inadequate septic systems. Regional Water Boards will report on the progress of consolidations through their monthly Executive Officer report to their Regional Water Board. These reports are made available to the public and could be used to provide progress going forward as to future resource needs and program development.

Projected Outcomes

Workload Measure	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24
Identify/develop a list/map of disadvantaged communities with inadequate or failing septic systems; Develop Statewide Policy Handbook	1	0	0	0	0
Adopt Statewide Policy Handbook; Provide Policy Handbook implementation training	0	1	0	0	0
Inspect POTWs and collection systems	0	6	8	8	8
Inspect septic systems	0	6	8	8	8
Analyze POTW, collection system capacity, and other design considerations	0	6	8 .	8	8
Review alternative compliance designs	0	12	16	16	16
Conduct public meetings	0	6	8	8	8
Develop/issue Orders; Present Orders to the Board for adoption consideration	0	6	8	8	8
Implement Orders and provide technical assistance	0	6	14	22	30

F. Analysis of All Feasible Alternatives

Alternative 1 - Approve initial three permanent positions and \$525,000 in spending authority annually starting in FY 2019-20, and an additional six permanent positions and \$1,612,000 in spending authority annually starting in FY 2020-21. All nine positions will be funded from the Waste Discharge Permit Fund.

Pros: This alternative provides necessary staff resources for the State and Regional Water Boards to effectively implement sewer system consolidation of disadvantaged communities with inadequate septic systems to protect water quality and public health.

Other existing State and Regional Water Board program staff resources will not be impacted.

Cons: This alternative will result in an increase in state government spending.

Alternative 2 - Approve three permanent positions and \$525,000 in spending authority annually in FY 2019-20, and an additional six permanent positions and \$1,612,000 in spending authority annually starting in FY 2022-23. All nine positions will be funded from the Waste Discharge Permit Fund.

Pros: This alternative provides the necessary staff resources for the State and Regional Water Boards to implement sewer system consolidation of disadvantaged communities with inadequate septic systems to protect water quality and public health.

Cons: Implementation of SB 1215 will be delayed by two years. Degradation and contamination of drinking water sources due to inadequate septic tanks will continue.

Other existing State and Regional Water Board program staff resources may be impacted on a temporary basis until additional staff positions are acquired in FY 2022-23.

This alternative will result in an increase in state government spending.

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Alternative 3 - Approve the request for three permanent positions and \$525,000 in spending authority annually starting in FY 2019-20, and an additional three permanent positions and \$525,000 annually starting in FY 2020-21. All six positions will be funded from the Waste Discharge Permit Fund.

Pros: Less increase in state spending; more state savings.

Cons: This alternative provides less than the minimum staff resources needed for the State and Regional Water Boards to implement sewer system consolidation of disadvantaged communities with inadequate septic systems to protect water quality and public health.

This alternative will take the North Coast, Central Valley, Central Coast, Los Angeles, and Lahontan Regional Water Boards an estimate of six more years each to fulfill the requirements of SB 1215.

Alternative 4 – Do not approve the request for additional positions and corresponding spending authority.

Pros: No increase in state government spending.

Cons: The State and Regional Water Boards will have to redirect existing staff resources from other permitting and enforcement programs to fulfill the requirements of SB 1215. This alternative will impact other programs' ability to meet their priorities and commitments, contributing to a potential permitting and enforcement backlog.

G. Implementation Plan

If approved, effective July 1, 2019, the Office of Chief Council and the Central Valley Regional Water Board will initiate recruitment for the three permanent staff allocated for FY 2019-20. These three staff will initiate program development tasks and develop the statewide policy handbook for the implementation of SB 1215. These positions will be located in the Office of Chief Counsel in Sacramento, CalEPA building, and the Central Valley Regional Water Board office in Rancho Cordova.

Effective July 1, 2020, the five Regional Water Boards will initiate recruitment for the six additional permanent staff. These additional staff will initiate implementation of SB 1215 requirements through conducting necessary fieldwork and implementing the new statewide policy handbook.

The following table breaks down the proposed distribution of the nine requested positions with their locations and classifications.

A description of the tasks the new staff will conduct are presented in Attachment I (Workload Matrix).

	FY 2019-20	FY 2020-21	Fund
Office of Chief Council	1 Staff Attorney III		Waste Discharge Permit Fund
North Coast Regional Water Board		1 Water Resource Control Engineer	Waste Discharge Permit Fund
Central Coast Regional Water Board		Water Resource Control Engineer Environmental Scientist	Waste Discharge Permit Fund
Los Angeles Regional Water Board		2 Water Resource Control Engineers	Waste Discharge Permit Fund
Central Valley Regional Water Board	1 Environmental Scientist 1 Water Resource Control Engineer		Waste Discharge Permit Fund
Lahontan Regional Water Board		1 Water Resource Control Engineer	Waste Discharge Permit Fund

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H. Supplemental Information

Not Applicable

I. Recommendation

The State Water Board recommends approval of Alternative 1, which will provide three permanent positions and \$525,000 in spending authority annually starting in FY 2019-20, and six additional permanent positions and \$1,612,000 in spending authority annually starting in FY 2020-21. All nine positions will be funded from the Waste Discharge Permit Fund. Approval of this proposal will provide the necessary staff resources for the Regional Water Boards to implement the requirements of SB 1215.

PROVISION OF SEWER SERVICE: DISADVANTAGED COMMUNITIES WORKLOAD MATRIX

Positions Requested	Workload
	Evaluate opportunities for the Regional Water Boards to order a consolidation or extension of sewer service, staff initially must:
(Fiscal Year 2019-20) 1.0 WRCE*	 1 - Identify disadvantaged communities and/or affected property owners with inadequate septic systems that meet are candidates for consolidation. Inspect/Identify inadequate septic systems that have a potential to impact waters of the state. May require obtaining data if existing data is not available. (180 hrs/FY) Assess the nearby receiving sewer systems for consolidation feasibility. (160 hrs/FY) Evaluate alternative options, such as building a waste water treatment plant to serve the disadvantaged community. (140 hrs/FY) Coordinate with State Water Board staff and other Regional Water Boards staff as needed. (60 hrs/FY)
	 2 - Develop and adopt statewide Policy Handbook. The workload involves: Develop draft statewide Policy Handbook and corresponding staff report. (600 hrs/FY) Develop agenda items, board briefings, public notices, response to comments, etc in preparation for the State Water Board proposed adoption meeting. (155 hrs/FY) Present the Policy Handbook to the Water Board for consideration. (80 hrs/FY) Coordinate with State Water Board staff and other

hrs/FY)

Workload Standard

Create the Sewer Service for Disadvantaged Communities Policy Handbook (Policy Handbook) for implementation of SB 1215.

- Identify Disadvantaged Communities with Septic Systems that qualify for consolidation or extension of service. (540 hrs/FY)
- 2. Develop and adopt statewide Policy Handbook. (885 hrs/FY)
- 3. Initial work to begin implementation of the new Policy Handbook. (351 hrs/FY)

Basis for Standard

Based on workload to comply with the Chapter 982, Statues of 2018 (SB 1215).

Regional Water Boards staff as needed. (50

PROVISION OF SEWER SERVICE: DISADVANTAGED COMMUNITIES WORKLOAD MATRIX

Basis for Standard	Workload Standard	Workload	Positions Requested
	1,776 hours = 1 Positions (one position = 1,776 hours/FY)	 3 - Initial work for each identified disadvantaged community with inadequate septic systems, to begin implementation of the new Policy handbook. Generate standard operating procedures, criteria and templates for the following: Review/inspection of septic system and corresponding groundwater data. (50 hrs/FY) Review/inspection of receiving sewer system which will include conducting a compliance evaluation inspection of the waste water treatment plant and the collection system. (50 hrs/FY) Analyze of existing monitoring data. (50 hrs/FY) Review consolidation/service extension feasibility analysis which may include an analysis of the collection system and wastewater treatment plant. (40 hrs/FY) Issue Orders. Drafting board required documents. 	
		 (40 hrs/FY) Coordinate with the Division of Financial Assistance to provide funding. (40 hrs/FY) Manage stakeholder workshops and response to comments. (40 hrs/FY) Coordinate with State Board staff and Regional Water Boards staff as needed. (41 hrs/FY) 	
comply with the Chapter 982, Statues of 2018	Create the Sewer Service for Disadvantaged Communities Policy Handbook (Policy Handbook) for implementation of SB 1215.	Evaluate opportunities for the Regional Water Boards to order a consolidation or extension of sewer service, staff initially must:	
s e.	 Identify Disadvantaged Communities with Septic Systems that qualify for consolidation or extension of service. (500 hrs/FY) Develop and adopt statewide Policy Handbook. (1060 hrs/FY) 	 1 - Identify disadvantaged communities and/or affected property owners with inadequate septic systems that meet are candidates for consolidation. Obtain/generate a list/map of disadvantaged communities. (230 hrs/FY) Identify disadvantaged communities with septic systems. (200 hrs/FY) 	(Fiscal Year 2019-20) 1.0 ES*
comply with the Chap 982, Statues of 2018 (SB 1215). s	Communities Policy Handbook (Policy Handbook) for implementation of SB 1215. 1. Identify Disadvantaged Communities with Septic Systems that qualify for consolidation or extension of service. (500 hrs/FY)	 Manage stakeholder workshops and response to comments. (40 hrs/FY) Coordinate with State Board staff and Regional Water Boards staff as needed. (41 hrs/FY) Evaluate opportunities for the Regional Water Boards to order a consolidation or extension of sewer service, staff initially must: 1 - Identify disadvantaged communities and/or affected property owners with inadequate septic systems that meet are candidates for consolidation. Obtain/generate a list/map of disadvantaged communities. (230 hrs/FY) 	2019-20)

PROVISION OF SEWER SERVICE: DISADVANTAGED COMMUNITIES WORKLOAD MATRIX

Positions Requested	Workload	Workload Standard	Basis for Standard
	 Coordinate with State Water Board staff and other Regional Water Boards staff as needed. (70 hrs/FY) 	 Initial work to begin implementation of the new Policy Handbook. (216 hrs/FY) 	
	 2 – Develop and adopt statewide Policy Handbook. The workload involves: Develop draft statewide Policy Handbook and corresponding staff report. (650 hrs/FY) Conduct an economic analysis. (300 hrs/FY) Coordinate with State Water Board staff and other Regional Water Boards staff as needed. (110 hrs/FY) 	1,776 hours = 1 Positions	
	 3 - Initial work for each identified disadvantaged community with inadequate septic systems, to begin implementation of the new Policy handbook. Generate standard operating procedures, criteria and templates for the following: Identification of disadvantaged communities. (45 hrs/FY) Analysis of existing monitoring data. (45 hrs/FY) Coordination with the Division of Financial Assistance to provide funding. (40 hrs/FY) Managing stakeholder workshops and response to comments. (31 hrs/FY) Coordination with State Board staff and Regional Water Boards staff as needed. (55 hrs/FY) 	(one position = 1,776 hours/FY)	

STATE WATER RESOURCES CONTROL BOARD **BUDGET CHANGE PROPOSAL**

PROVISION OF SEWER SERVICE: DISADVANTAGED COMMUNITIES **WORKLOAD MATRIX**

Positions Requested	Workload	Workload Standard	Basis for Standard
	Evaluate opportunities for the Regional Water Boards to order a consolidation or extension of sewer service, staff initially must:		Based on workload to comply with the Chapter 982, Statues of 2018 (SB 1215).
(Fiscal Year 2019-20)	 1 - Identify disadvantaged communities and/or affected property owners with inadequate septic systems that meet are candidates for consolidation. Provide legal support. (270 hrs/FY) Coordinate with State Water Board staff and other Regional Water Boards staff as needed. (90 hrs/FY) 2 - Develop and adopt statewide Policy Handbook. The workload involves: Develop draft statewide Policy Handbook and corresponding staff report. (170 hrs/FY) Present the Policy Handbook to the Water Board 	Create the Sewer Service for Disadvantaged Communities Policy Handbook (Policy Handbook) for implementation of SB 1215. 1. Identify Disadvantaged Communities with Septic Systems that qualify for consolidation or extension of service. (360 hrs/FY) 2. Develop and adopt statewide Policy Handbook. (1,140 hrs/FY)	(36 1213).
1.0 Attorney III	 for consideration. (90 hrs/FY) Provide legal support. (830 hrs/FY) Coordinate with State Water Board staff and other Regional Water Boards staff as needed. (50 hrs/FY) 	 Initial work to begin implementation of the new Policy Handbook. (276 hrs/FY) 	
	3 - Initial work for each identified disadvantaged community with inadequate septic systems, to begin implementation of the new Policy handbook. Generate standard operating procedures, criteria and templates for the following:	1,776 hours = 1 Positions (one position = 1,776 hours/FY)	
	 Issue Orders. Drafting board required documents. (50 hrs/FY) 		

 Coordinate with State Board staff and Regional Boards staff as needed. (56 hrs/FY)

• Provide legal support. (170 hrs/FY)

Basis for Standard

Based on workload to comply with the Chapter 982, Statues of 2018

(SB 1215).

STATE WATER RESOURCES CONTROL BOARD BUDGET CHANGE PROPOSAL

PROVISION OF SEWER SERVICE: DISADVANTAGED COMMUNITIES WORKLOAD MATRIX

Positions Requested	Workload	Workload Standard
	To implement the adopted Policy Handbook within the North Coast, Central Coast, Central Valley, Los Angeles and Lahontan regions, staff must: • Conduct informational meetings with disadvantaged community representatives and nearby sewer agencies to encourage voluntary provision of sewer service. (860 hrs/FY)	
	Inspect existing septic tanks, collection systems and wastewater treatment plants for feasibility	Implementation of Policy Handbook for Orders to establish local programs.
	 analysis. (1830 hrs/FY) Issue enforcement orders to receiving sewer systems for compliance. (860 hrs/FY) 	(10,656 hrs/FY)
(Fiscal Year 2020-21 and After)	 Consult with the local agency formation commission regarding the sewer service. Consider input on the consolidation or extension of sewer service. (1830 hrs/FY) 	
6.0 WRCE	 Consult with local government authority on land use planning and environmental health oversight over the affected area. (855 hrs/FY) 	
	 Notify the receiving sewer system and the potential disadvantaged community to negotiate annexation, 	10,656 hours = 6 Positions
	extension of service, or identify alternative adequate sewage service within no less than six months, unless a shorter period is justified. (1830 hrs/FY)	(one position = 1,776 hours/FY)
	Provide technical assistance and work with the	

receiving sewer system, the affected property owners, and Division of Financial Assistance regarding a funding package. (1390 hrs/FY

^{*} WRCE - Water Resource Control Engineer; ES - Environmental Scientist; Attorney - Staff Attorney III

PROVISION OF SEWER SERVICE: DISADVANTAGED COMMUNITIES WORKLOAD MATRIX

Positions Workload Requested

Workload Standard

Basis for Standard

 Hold at least one public meeting in the affected area. Respond to public comments. (1201 hrs/FY)

PROVISION OF SEWER SERVICE: DISADVANTAGED COMMUNITIES WORKLOAD MATRIX

Positions Requested	Workload	Workload Standard	Basis for Standard
	To implement the adopted Policy Handbook, staff must: • Conduct informational meetings with disadvantaged		Based on workload to comply with the Chapter 982, Statues of 2018 (SB 1215).
(Planel Vere	community representatives and nearby sewer agencies to encourage voluntary provision of sewer service. (800 hrs/FY)	Implementation of Policy Handbook for Orders to establish local programs.	
(Fiscal Year 2020-21 and After)	 Consult with the State Water Board, Division of Financial Assistance, Division of Water Quality, and other internal and external agencies. (800 hrs/FY) 	(3,552 hrs/FY)	
2.0 ES	Consult with local government authority on land use		
	planning and environmental health oversight over the affected area. (800 hrs/FY)	3,552 hours = 2 Positions	
	 Hold at least one public meeting in the affected area. Respond to public comments. (1152 hrs/FY) 	(one position = 1,776 hours/FY)	

PROVISION OF SEWER SERVICE: DISADVANTAGED COMMUNITIES WORKLOAD MATRIX

Positions Requested	Workload	Workload Standard	Basis for Standard
		Implementation of Policy Handbook for	Based on workload to comply with the Chapter 982, Statues of 2018 (SB 1215).
(Fiscal Year 2020-21 and After)	 To implement the adopted Policy Handbook, staff must: Issue and reviewing draft Orders and draft board required documents. (1000 hrs/FY) Resolve Small community petitions for consolidation. (400 hrs/FY) 	Orders to establish local programs. (1,776 hrs/FY)	
1.0 Attorney III	 Provide legal support for the State Board staff and Regional Water Boards staff as needed. (376 hrs/FY) 	1,776 hours = 1 Positions	
		(one position = 1,776 hours/FY)	



880-220-5795-032

Marleigh Wood

Attorney III

880-220-5795-038 VACANT

STATE WATER RESOURCES CONTROL BOARD **OFFICE OF CHIEF COUNSEL** STATE BOARD/WATER QUALITY/ADMINISTRATION BRANCH



STATE BOARD WATER **QUALITY & ADMINISTRATION BRANCH**

> **Assistant Chief Counsel** 880-220-5871-002 Philip Wyels

CURRENT

Michael A.M. Lauffer-Chief December 1, 2018

AGPA

(Gen.)

STATE BOARD WATER **LEGAL SUPPORT ADMINISTRATIVE QUALITY** Legal Support Supervisor I 880-220-1277-003 Attorney IV Attorney III VACANT 880-220-5393-712 880-220-5780-005 880-220-5795-047 Adrianna Crowl VACANT Serena Liu Legal Secretary Staff Services Analyst Attorney IV Attorney III 880-220-1282-010 880-220-5780-006 880-220-5795-050 VACANT 880-220-5157-713 Stacy Gillespie Eric Gillman Joanna Johansen Legal Secretary Attorney III Attorney III 880-220-1282-011 880-220-5795-023 880-220-5795-901 Pamela Downing Tim Regan Pete Peterson (RA) Office Assistant (General) Attorney III Attorney III 880-220-1441-901

880-220-5795-901

Karen O'Hare (RA)

Attorney 880-220-5778-168

Ryan Mallory-Jones

David Byrd



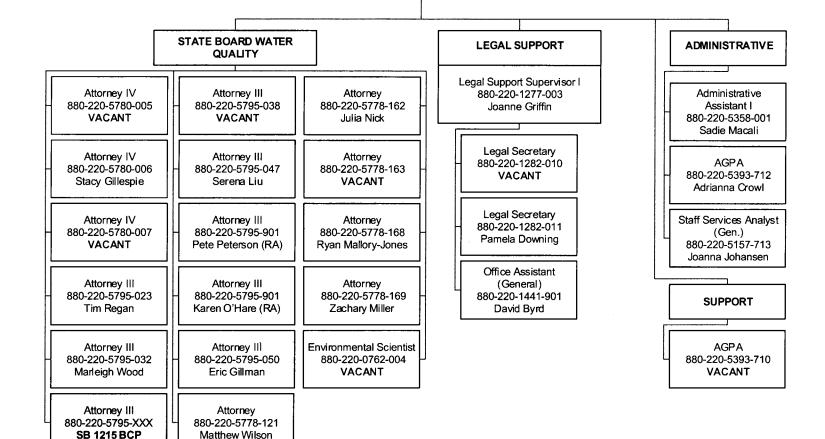
STATE WATER RESOURCES CONTROL BOARD OFFICE OF CHIEF COUNSEL STATE BOARD/WATER QUALITY/ADMINISTRATION BRANCH



STATE BOARD/WATER QUALITY/ADMINISTRATION BRANCH

Assistant Chief Counsel 880-220-5871-002 Philip Wyels Michael A.M. Lauffer-Chief October 1. 2018

PROPOSED





NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD REGION 1 – NORTH COAST



Edmund G. Brown, Jr. Governor

Groundwater Specialist Senior Environmental Scientist (Spec.) 880-110-0765-008 Jeremiah Puget

Sanitary Engineer

Associate

880-110-3826-020

Rhonda Raymond (.7)

Engineering Geologist

880-110-3756-036

VACANT

Environmental Scientist

880-110-0762-028

Brendan Thompson

POINT SOURCE CONTROL & GROUNDWATER PROTECTION DIVISION

Supervising WRC Engineer 880-110-3849-006 VACANT **CURRENT**

Matthias St. John Executive Officer December 1, 2018

NPDES UNIT

Senior WRC Engineer 880-110-3844-014 Heaven Moore

WRC Engineer 880-110-3846-018 VACANT

WRC Engineer 880-110-3846-019 Justin McSmith

WRC Engineer 880-110-3846-033 Imtiaz-Ali Kalyan

WRC Engineer 880-110-3846-050 Cathleen Goodwin

CLEANUP UNIT

Senior WRC Engineer 880-110-3844-029 Craig Hunt

Engineering Geologist

880-110-3756-018

Beth Lamb

Engineering Geologist

880-110-3756-029

Paul Nelson

Environmental Scientist

880-110-0762-016

James Tischler

WRC Engineer 880-110-3846-054 Keith Baldanza

WRC Engineer 880-110-3846-064 Julie Duong

Engineering Geologist 880-110-3756-007 Cody Walker

Engineering Geologist 880-110-3756-010 Tom Magney

GROUNDWATER PERMITTING UNIT

Senior WRC Engineer 880-110-3844-030 Charles Reed

WRC Engineer 880-110-3846-006 Gina Morrison

Engineering Geologist 880-110-3756-016 Roy O'Connor

Engineering Geologist 880-110-3756-024 Terri Cia

Environmental Scientist 880-110-0762-008 Rachel Prat



NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD **REGION 1 - NORTH COAST**



PROPOSED

Groundwater Specialist Senior Environmental Scientist (Spec.) 880-110-0765-008 Jeremiah Puget

Sanitary Engineer

Associate

880-110-3826-020

Rhonda Raymond (.7)

Engineering Geologist

880-110-3756-036

VACANT

Environmental Scientist

880-110-0762-028

Brendan Thompson

POINT SOURCE CONTROL & **GROUNDWATER PROTECTION** DIVISION

Supervising WRC Engineer 880-110-3849-006 Claudia Villacorta

Matthias St. John Executive Officer October 1, 2018

NPDES UNIT

Senior WRC Engineer 880-110-3844-014 VACANT

WRC Engineer 880-110-3846-018 Sumer Alsatarwah

WRC Engineer 880-110-3846-019 Justin McSmith

WRC Engineer 880-110-3846-033 Imtiaz-Ali Kalyan

WRC Engineer 880-110-3846-050 Cathleen Goodwin

CLEANUP UNIT

Senior WRC Engineer 880-110-3844-029

WRC Engineer 880-110-3846-054 Keith Baldanza

Engineering Geologist 880-110-3756-007 Cody Walker

Engineering Geologist 880-110-3756-010 Tom Magney

Environmental Scientist 880-110-0762-016 James Tischler

Craig Hunt

Engineering Geologist 880-110-3756-018 Beth Lamb

Engineering Geologist 880-110-3756-023 VACANT

Engineering Geologist 880-110-3756-029 Paul Nelson

GROUNDWATER PERMITTING UNIT

Senior WRC Engineer 880-110-3844-030 Charles Reed

WRC Engineer 880-110-3846-006 Gina Morrison

Engineering Geologist 880-110-3756-016 Roy O'Connor

Engineering Geologist 880-110-3756-024 Terri Cia

Environmental Scientist 880-110-0762-008 Rachel Prat

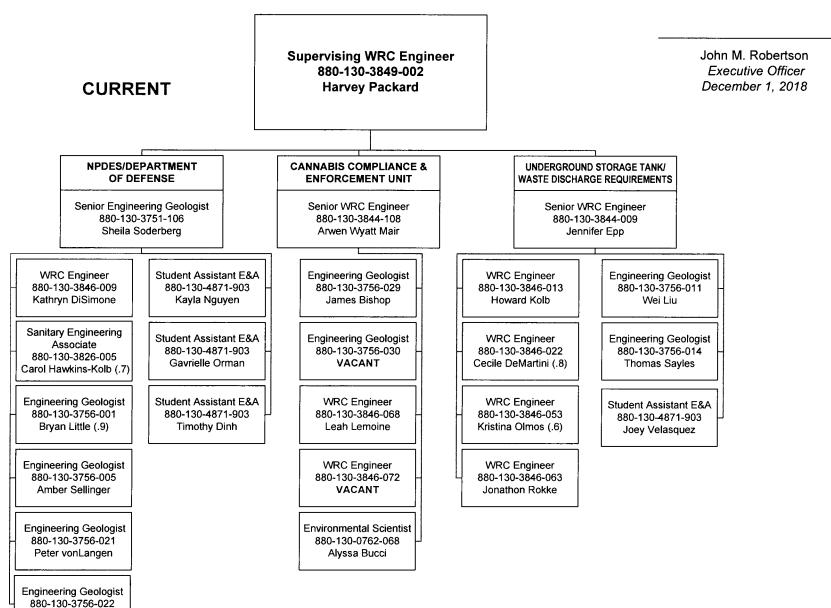
WRC Engineer 880-110-3846-XXX **SB 1215 BCP**



Donald Elev

CENTRAL COAST REGIONAL WATER QUALITY CONTROL BOARD REGION 3 – SAN LUIS OBISPO, CENTRAL COAST







CENTRAL COAST REGIONAL WATER QUALITY CONTROL BOARD **REGION 3 – SAN LUIS OBISPO, CENTRAL COAST**



PROPOSED

Supervising WRC Engineer 880-130-3849-002 **Harvey Packard**

John M. Robertson Executive Officer October 1, 2018

NPDES/DEPARTMENT OF DEFENSE

Senior Engineering Geologist 880-130-3751-106 Sheila Soderberg

Kayla Nguyen

Student Assistant E&A

880-130-4871-903

Gavrielle Orman

Student Assistant E&A

880-130-4871-903

Timothy Dinh

WRC Engineer 880-130-3846-009 Kathryn DiSimone

Sanitary Engineering Associate 880-130-3826-005 Carol Hawkins-Kolb (.7)

Engineering Geologist 880-130-3756-001 Bryan Little (.9)

Engineering Geologist 880-130-3756-005 Amber Sellinger

Engineering Geologist 880-130-3756-021 Peter vonLangen

Engineering Geologist 880-130-3756-022 Donald Eley

CANNABIS COMPLIANCE & ENFORCEMENT UNIT

Senior WRC Engineer 880-130-3844-108 Arwen Wyatt Mair

Student Assistant E&A Engineering Geologist 880-130-4871-903 880-130-3756-029 James Bishop

> Engineering Geologist 880-130-3756-030 Jordan Martin

WRC Engineer 880-130-3846-068 Leah Lemoine

WRC Engineer 880-130-3846-072 VACANT

Environmental Scientist 880-130-0762-068 Alyssa Bucci

UNDERGROUND STORAGE TANK/ WASTE DISCHARGE REQUIREMENTS

Senior WRC Engineer 880-130-3844-009 Jennifer Epp

WRC Engineer 880-130-3846-013 Howard Kolb

WRC Engineer 880-130-3846-022 Cecile DeMartini (.8)

WRC Engineer 880-130-3846-053 Kristina Olmos (.6)

WRC Engineer 880-130-3846-063 Jonathon Rokke

WRC Engineer 880-130-3846-XXX **SB 1215 BCP**

Environmental Scientist 880-130-0762--XXX **SB 1215 BCP**

Engineering Geologist 880-130-3756-011 Wei Liu

Engineering Geologist 880-130-3756-014 Thomas Sayles

Student Assistant E&A 880-130-4871-903 Joey Velasquez



LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD REGION 4 – LOS ANGELES



CURRENT

GROUNDWATER PERMITING AND LAND DISPOSAL

Supervising WRC Engineer 880-140-3849-006 Rebecca Chou

GROUNDWATER PERMITTING

Senior WRC Engineer 880-140-3844-035 C. Eric Wu

WRC Engineer 880-140-3846-031 T. Don Tsai

WRC Engineer 880-140-3846-082 Ann Chang

WRC Engineer 880-140-3846-083 David Koo Engineering Geologist 880-140-3756-024 Peter Raftery

Scientific Aid 880-140-1931-903 Phoebe Zheng

Scientific Aid 880-140-1931-903 Cheng Xue

LAND DISPOSAL

Senior Engineering Geologist 880-140-3751-013 Wen Yang

> Engineering Geologist 880-140-3756-005 Douglas Cross

Engineering Geologist 880-140-3756-011 Enrique Casas

Scientific Aid 880-140-1931-903 Xue Xu Deborah Smith Executive Officer December 1, 2018



LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD REGION 4 – LOS ANGELES



PROPOSED

GROUNDWATER PERMITING AND LAND DISPOSAL

Supervising WRC Engineer 880-140-3849-006 Rebecca Chou Deborah Smith Executive Officer October 1, 2018

GROUNDWATER PERMITTING

Senior WRC Engineer 880-140-3844-035 C. Eric Wu

WRC Engineer 880-140-3846-031 T. Don Tsai

WRC Engineer 880-140-3846-082

WRC Engineer 880-140-3846-083 David Koo

Ann Chang

WRC Engineer 880-140-3846-XXX **SB 1215 BCP** WRC Engineer 880-140-3846-XXX SB 1215 BCP

Engineering Geologist 880-140-3756-024 Peter Raftery

Scientific Aid 880-140-1931-903 Phoebe Zheng

Scientific Aid 880-140-1931-903 Cheng Xue

LAND DISPOSAL

Senior Engineering Geologist 880-140-3751-013 Wen Yang

> Engineering Geologist 880-140-3756-005 Douglas Cross

Engineering Geologist 880-140-3756-011 Enrique Casas

Scientific Aid 880-140-1931-903 Xue Xu



CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD **REGION 5 - SACRAMENTO, CENTRAL VALLEY**



Edmund G. Brown, Jr. Governor

PERMITTING-TITLE 27 Scientific Aid **CURRENT** Supervising Engineering Geologist Patrick Pulupa 880-150-1931-903 880-150-3748-002 Executive Officer Matthew Chan Rob Busby December 1, 2018 **NON 15 PERMITTING CONFINED ANIMALS** TITLE 27 & MINNING Senior Engineering Geologist Senior Engineering Geologist Senior Engineering Geologist 880-150-3751-009 880-150-3751-018 880-150-3751-003 Charlene Herbst Scott Armstrong **Brad Shelton** WRC Engineer WRC Engineer **Environmental Scientist** WRC Engineer 880-150-3846-025 880-150-3846-006 880-150-0762-052 880-150-3846-165 Lani Andam John Moody Gilberto Corral Sean Walsh WRC Engineer WRC Engineer Environmental Scientist **Engineering Geologist** 880-150-3846-105 880-150-3846-161 880-150-0762-053 880-150-3756-054 Malarmagal Xuan Luo Girma Getachew Kyle Cockerham Perinpanayagam **WRC Engineer** WRC Engineer **Engineering Geologist** 880-150-3846-179 880-150-3846-157 880-150-3756-074 Lixin Fu Jeffrey Huggins Charles Cardenas **Engineering Geologist** WRC Engineer 880-150-3756-025

Dina Calanchini

880-150-3846-180

Vinoo Jain

Engineering Geologist 880-150-3756-035 Natasha Vidic

Scientific Aid 880-150-1931-903 Matthew Chan



CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD REGION 5 – SACRAMENTO, CENTRAL VALLEY



PROPOSED

PERMITTING-TITLE 27

Supervising Engineering Geologist 880-150-3748-002 Rob Busby Scientific Aid 880-150-1931-903 Matthew Chan

Patrick E. Pulupa Executive Officer October 1, 2018

TITLE 27 & MINNING

Senior Engineering Geologist 880-150-3751-003 Brad Shetton

> WRC Engineer 880-150-3846-006 John Moody

> WRC Engineer 880-150-3846-105 Malarmagal Perinpanayagam

WRC Engineer 880-150-3846-157 Jeffrey Huggins

WRC Engineer 880-150-3846-180 Vinoo Jain

Engineering Geologist 880-150-3756-035 Natasha Vidic

NON 15 PERMITTING

Senior Engineering Geologist 880-150-3751-018 Scott Armstrong

> WRC Engineer 880-150-3846-025 Lani Andam

WRC Engineer 880-150-3846-161 Xuan Luo

WRC Engineer 880-150-3846-179 Lixin Fu

WRC Engineer 880-150-3846-XXX SB 1215 BCP

Engineering Geologist 880-150-3756-025 Dina Calanchini

Environmental Scientist 880-150-0762-XXX SB 1215 BCP

CONFINED ANIMALS

Senior Engineering Geologist 880-150-3751-009 Charlene Herbst

WRC Engineer 880-150-3846-165 Gilberto Corral

Engineering Geologist 880-150-3756-054 Kyle Cockerham

Engineering Geologist 880-150-3756-074 Charles Cardenas Environmental Scientist 880-150-0762-052 Sean Walsh

Environmental Scientist 880-150-0762-053 Girma Getachew

Scientific Aid 880-150-1931-903 Michael Montanus



VICTORVILLE ADMIN.

Office Technician (T)

880-165-1139-711

VACANT

Seasonal Clerk

880-165-1120-903

Valerie Enright

LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD **REGION 6 - SOUTH LAKE TAHOE**



Edmund G. Brown, Jr. Governor

Kanyoundjin

Patty Z. Kouyoumdjian Executive Officer December 1, 2018

CURRENT

Supervising Engineering Geologist 880-165-3748-001 Patrice Copeland

LAND DISPOSAL

Senior Engineering Geologist (Sup.) 880-165-3751-003 Jan Zimmerman

Engineering Geologist 880-165-3756-004 Shelby Barker

Engineering Geologist 880-165-3756-901 Jeffrey Fitzsimmons

Engineering Geologist 880-165-3756-006 Christina Guerra

Engineering Geologist 880-165-3756-007 Tiffany Steinert

WRC Engineer 880-165-3846-017 Thomas Browne

Scientific Aid 880-165-1931-903 Kerri O'Keefe

WASTE WATER & AGRICULTURAL OPERATIONS

Senior WRC Engineer (Sup.) 880-165-3844-007 Jehiel Cass

> WRC Engineer 880-165-3846-006 John Morales

WRC Engineer 880-165-3846-011 Woonhoe Kim

WRC Engineer 880-165-3846-012 Ghasem Pour-Ghasemi

WRC Engineer 880-165-3846-016 Sergio Alonso

WRC Engineer 880-165-3846-901 Mike Coony

Scientific Aid 880-165-1931-903 Caren Patterson

DOD/SCP

Senior Engineering Geologist (Sup.) 880-165-3751-005 William Muir

Engineering Geologist 880-165-3756-002 Omar Pacheco

PG&E Hinkley

Senior Engineering

Geologist

880-160-3751-002

Lisa Dernbach

Engineering Geologist 880-165-3756-009 Amanda Lopez

Engineering Geologist 880-165-3756-011 Todd Battey

Engineering Geologist 880-165-3756-012 Alonzo Poach

Engineering Geologist 880-160-3756-021 Linda Stone

Engineering Geologist 880-165-3756-010 Christopher Avalos

Scientific Aid 880-165-1931-903 Alicia Borchmann



LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD **REGION 6 – SOUTH LAKE TAHOE**



Edmund G. Brown, Jr. Governor

Supervising Engineering Geologist 880-165-3748-001 **Patrice Copeland**

Senior Engineering Geologist 880-160-3751-002 Lisa Dernbach

PG&E Hinkley

Patty Z. Kouyoumdjian Executive Officer October 1, 2018

PROPOSED

VICTORVILLE ADMIN.

Office Technician (T) 880-165-1139-901 Robin Coale

Office Technician (T) 880-165-1139-711 Sandra Lopez

LAND DISPOSAL

Senior Engineering Geologist (Sup.) 880-165-3751-003 Jan Zimmerman

> Engineering Geologist 880-165-3756-004 Shelby Barker

Engineering Geologist 880-165-3756-006 Christina Guerra

Engineering Geologist 880-165-3756-007 Tiffany Steinert

Engineering Geologist 880-165-3756-901 Jeffrey Fitzsimmons

WRC Engineer 880-165-3846-017 Thomas Browne

Scientific Aid 880-165-1931-903 Kerri O'Keefe

WASTE WATER & AGRICULTURAL OPERATIONS

Senior WRC Engineer (Sup.) 880-165-3844-007

WRC Engineer 880-165-3846-006 John Morales

WRC Engineer 880-165-3846-011 Woonhoe Kim

WRC Engineer 880-165-3846-012 Ghasem Pour-Ghasemi

WRC Engineer 880-165-3846-016 Sergio Alonso

Jehiel Cass

WRC Engineer 880-165-3846-XXX **SB 1215 BCP**

WRC Engineer 880-165-3846-901 Mike Coony

Scientific Aid 880-165-1931-903 Caren Patterson

DOD/SCP

Senior Engineering Geologist (Sup.) 880-165-3751-005 William Muir

Engineering Geologist 880-165-3756-002 Omar Pacheco

880-165-3756-012 Alonzo Poach

Engineering Geologist

Engineering Geologist

880-160-3756-021

Linda Stone

Engineering Geologist 880-165-3756-009 Amanda Lopez

Engineering Geologist 880-165-3756-011 Todd Battev

Engineering Geologist 880-165-3756-010 Christopher Avalos

Scientific Aid 880-165-1931-903 Alicia Borchmann